

HOLOGRAM SCREEN AND HOLOGRAM DISPLAY

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ABSTRACT OF THE DISCLOSURE

10 A hologram screen 1 for displaying an image by
diffracting and scattering image light 31 projected from
an image projection apparatus 2. An upward/downward
light scattering device 13 for scattering light incident
from at least one upward/downward specific angle range
spreading obliquely upward or obliquely downward is
placed on the image projection apparatus side of a
15 hologram device 12 in the hologram screen 1, and a
leftward/rightward light scattering device 14 for
scattering light incident from a leftward/rightward
specific angle range spreading obliquely leftward and
obliquely rightward is placed between the hologram device
20 12 and the upward/downward light scattering device 13 or
on the image projection apparatus side of the
upward/downward light scattering device 13. The
construction is such that the upward/downward specific
angle range contains the incidence angle of the image
25 light 31 on the hologram screen 1, and the invention thus
provides a hologram screen that has good color
reproducibility and permits viewing of the background,
and a hologram display using such a hologram screen.

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